

HUNGARY / Farm animals. General Problems.

Q-1

Abs Jour : Ref Zhur - Biol., No 10, 1958, No 45147

Author : L. Kurelec, Viktor

Inst : Not given

Title : The Determination of the Content of Digestible Proteins
in the Native Hay.

Orig Pub : Allattenyesztes, 1956, 5, No. 4, 341-349

Abstract : No abstract

Card 1/1

KURALGA, V.

KURBLAC, V. The nutritive value of ensiled broomcorn. p. 71. All-union conference on sheep breeding. p. 72.

Vol. 8, no. 2, Feb. 1956.

AGRARTUDOMANY.

AGRICULTURE

Budapest, Hungary

So: East European Accession, Vol. 6, No. 5, May 1957

KURELEC, V.

How should we use carbamide in forage? p. 23. (Magyar Mezőgazdaság, Vol. 11, no. 6, Mar. 1956 Budapest)

SO: Monthly List of East European Accession (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

KURELECZ, V.

KURELECZ, V. *Sowing maize seeds in sections.* p. 16

Vol. 11, No. 10, May 1956
MAGYAR MEZAGAZDASAG
AGRICULTURE
Budapest, Hungary

SO: EAST EUROPEAN ACCESSIONS, VOL. 6, no. 3, March 1957

Vol. 1, No. 1

Vol. 1, No. 1, Jan. 1, 1956

Vol. 1, No. 11, June 1956

Vol. 1, No. 12, Dec. 1956

Vol. 2, No. 1

Vol. 2, No. 1, Jan. 1957

Vol. 2, No. 1, Jan. 1957, Vol. 1, No. 5, May 1957

HUNGARY/Farm Animals. Swine.

9-2

Abs Jour: Ref Zhur - Biol., No. 22, 1958, 101176

Author : Kurelec, Viktor

Inst : -

Title : Weight Gains of Immature Sows Being Influenced by Alfalfa Silage and Alfalfa Hay Flour.

Orig Pub: Allattenyesztes, 1957, 6, No. 1, 53-59

Abstract: For a period of 119 days, comparative experimental fattenings were carried out on 108 immature sows the initial weight of which was about 51 kg. The first group received 0.5 kg of alfalfa silage (AS) daily, and the second group 0.2 kg of alfalfa flour (AF). As the sows' live weight reached the 80 kg level, and AS rations the 1.5 kg level, the animals'

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HUNGARY/Farm Animals. Swine.

Q-2

Abs Jour: Ref Zhur - Biol., No. 22, 1958, 101176

appetite and AS consumption decreased. When AS rations were increased to 2.0 kg, the animals ate reluctantly. At the end of the fattening period, average weights per animal of the first group reached about 86 kg, and of the second group about 100 kg. Then both groups were fed AF. Appetite of the first group of animals improved, and they gained weight faster. However, they were still unable to reach the weight level of the second group animals.--
V.A. Kanzyuba

Card 2/2

HUNGARY / Cultivated Plants. Fodders.

M-4

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927710009-6

Abs Jour: Ref Zhur-Biol., No 6, 1958, 25085

Author : Kurelec, V.

Inst : Not given

Title : The Time for the First Mowing of Alfalfa

Orig Pub: Magyar mezogazd., 1957, 12, No 9, 15 (Hung.)

Abstract: No abstract.

Card 1/1

Chemical Abstracts
Vol. 48 No. 5
Mar. 10, 1954
Soils and Fertilizers

The decomposition of crop residues from perennial grasses and the influence of nitrogen fertilizers on the yield of spring wheat in relation to the time of plowing under the sod. A. I. V. Gulyan, P. M. Smirnov, K. M. Khallov, V. I. Kurochok, and V. F. Kurochikina. *Izv. Timiryazev. Sovkholov. Akad.* No. 200, 41-48 (1953). -- It is shown that plowing under a sod crop in the early fall supplies more available N than plowing it under in late fall. In the latter case the N becomes associated with complex unhydrolyzable forms. Data are presented showing the increase in yield of spring wheat. T. S. Joffe

KURELENKO, V. I.

"A Second Crop of Winter Rye." Cand Agr Sci, Moscow Order of Lenin Agricultural
Acad imeni K. A. Timiryazev, Moscow, 1954. (KL, No 1, Jan 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational
Institutions (13)
SO: Sum. No. 598, 29 Jul 55

USSR/Cultivated Plants - Grains.

KURELENOK, V.I.

Abstr Jour : Ref Zhur - Biol., No 4, 1958, 15495

Author : V.I. Kurelenok

Inst :

Title :

The Grain Crop Harvest in Differently Constructed Crop Rotations.

(Urozhay zernovykh kul'tur v sevooborotakh razlichnogo postroyeniya).

Orig Pub : Dokl. Mosk. s.-kh. akad. im. K.A. Timiryazeva, 1956, vyp. 23, 112-118.

Abstract : At the Experimental Station for Field Cultivation of the Timiryazev Agricultural Academy a study was made in 1949 of 7-, 8-, and 9-field crop rotations of various constructions. The winter grain yield in the Central portion of the non-chernozem soil belt proved hardier and higher than the summer grain harvest. Averaging some 6 years the winter yielded a higher crop in comparison

Card 1/2

15

STEPANOV, V.N., doktor sel'skokhozyaystvennykh nauk, prof.; NASONOVA, K. Ye.,
nauchnyy sotrudnik; KURELENOK, V.I., nauchnyy sotrudnik

Productivity of crop rotations specializing in grain and potatoes
in central regions of the non-Chernozem zone. Izv. TSKhA
no.3: 49-64 '60. (MIRA 14:4)

(Rotation of crops)

KEDER-STAPANOVA, I.A.; KURELLA, G.A.

Changes in respiratory rhythm following local stimulation of
inspiratory and expiratory centers [with summary in English]
Fiziol. zhur. 43 no.1:46-53 Ja '57. (MIRA 10:2)

1. Laboratoriya elektrofiziologii Klinicheskoy ordena Lenina bol'nitsy
im. S. P. Botkina, Moskva.

(RESPIRATION, physiol.

changes of rhythm in stimulation of resp. centers)

(MEDULLA OBLONGATA, physiol.

eff. of stimulation of inspiratory & expiratory centers
on resp. rhythm.)

1. BOGOMOLOVA, I.A.; KURENIA, G.

Effect of afferent impulses on the activity of the inspiratory and
expiratory centers of the medulla oblongata. [with summary in English].
Fiziol.zhur. 43 no.3:721-728 Ag '57. (MLA 1957)

1. Laboratoriya elektrofiziologii Klinicheskoy ordena Lenina meditsi-
ny im. S.P.Botkina, Moskva

(MEDULLA OBLONGATA, physiology,

eff. of afferent impulses on inspiratory & expiratory
centers (Rus))

KURELLA, G.A.

Method of manufacturing intracellular microelectrodes. Biofizika
3 no.2:243-245 '58. (MIRA 11:4)

1. Biologo-pochvennyy fakul'tet Moskovskogo ordena lenina gosudarst-
vennogo universiteta im. M.V.Lomonosova.
(ELECTRODES) (ELECTROPHYSIOLOGY)

KURELLA, G.A.

Method of investigating the dynamics of rest potentials in single-muscle fibers. Biofizika 3 no.5:614-619 '58 (MIRA 11:10)

1. Biologo-pochvennyy fakul'tet Moskovskogo gosudarstvennogo universiteta imeni M.V. Lomonosova.
(MUSCLE, physiology
rest potential dynamics, investigation on separate
fibers (Rus))

KURELLA, G.A.

Nature of the potential difference in a state of rest. Biofizika,
4 no.3:300-309 '59.
(MIRA 12:7)

1. Biologo-pochvennyy fakul'tet Moskovskogo gosudarstvennogo univer-
siteta im. M.V. Lomonosova.

(MUSCLES, physiol.

rest potential, nature & variability (Rus))

KURELLA, G.A.

Reversible depolarization of a single muscle fiber and pre-existence of the resting potential. Biofizika 4 no. 6:650-656 '59.

(MIRA 14:4)

1. Biologo-pochvennyy fakul'tet Moskovskogo gosudarstvennogo universiteta imeni M.V. Lomonosova.

(ELECTROPHYSIOLOGY) (MUSCLE)

LYAN ZY-TYUN'; KURELLA, G.A.

Study of the resting potential of an isolated fiber of the
skeletal muscle in the frog. Biofizika 7 no.6:700-710 '62.
(MIRA 17:1)

1. Biologo-pochvennyy fakul'tet Moskovskogo gosudarstvennogo
universiteta im. M.V. Lomonosova.

VOROB'YEV, L.N.; KURELLA, G.A.; POPOV, G.A.

Intracellular pH of *Nitella flexillis* at rest and after
excitation. Biofizika 6 no.5:582-589 '61. (MIRA 15:3)

1. Biologo-pochvennyy fakul'tet Moskovskogo gosudarstvennogo
universiteta imeni Lomonosova.

(ALGAE)

(HYDROGEN-ION CONCENTRATION)

KURELLA, G.A.

Sorption theory of cellular permeability and the pre-existence of
rest potentials. Biofizika 5 no.3:260-269 '60. (MIRA 13:7)

1. Biologo-pochvennyy fakul'tet Moskovskogo gosudarstvennogo universiteta
im. M.V. Lomonosova.
(ELECTROPHYSIOLOGY) (PROTOPLASM)

KURELLA, G.A.; POPOV, G.A.

Determination of pH with the antimony microelectrode. Biofizika
5 no.3:373-375 '60. (MIRA 13:7)

1. Biologo-pochvennyy fakul'tet Moskovskogo gosudarstvennogo universiteta
im. M.V. Lomonosova.

(HYDROGEN-ION CONCENTRATION)

(ELECTRODES)

(PHYSIOLOGICAL APPARATUS)

KUREILA, G.A.; LYAN ZY-TYUN'

Effect of changes in the Ca concentration in the medium on the resting potential of an isolated skeletal muscle fiber in frogs. Biofizika 10 no.1:72-81 '65.

(MIRA 18:5)

1. Biologo-pochvennyy fakul'tet Moskovskogo gosudarstvennogo universiteta imeni Lomonosova.

PEROVA, G. V., LYKH ZY-TYUN'

Relation between the resting potential of an isolated single-muscle fiber and the osmotic pressure of medium. *Biophysika* 9 no. 1:78-85 '64. (MIRA 17:?)

1. Biologo-pochvennyy fakul'tet Moskovskogo gosudarstvennogo universiteta imeni Lomonosova.

KURELLA, G.A.

Physicochemical principles of the origin of resting potential difference. Trudy MOIP. Otd. biol. 9:74-82 '64.

(MIRA 18:1)

1. Kafedra biofiziki Moskovskogo universiteta.

ANDRIANOV, V.K.; KURELIA, G.A.

Studies on the nature of the rest potential in Nitella cells.
Report No.1: Relation of the magnitude of the rest potential
to the concentration of potassium ions in the medium and to
its osmotic pressure. Biofizika 8 no.4:457-460 '63.

(MIRA 17:10)

1. Biologo-pochvennyy fakul'tet Moskovskogo gosudarstvennogo
universiteta imeni Lomonosova.

changes in the potential of *Nitella* cells under light and the resulting

SOURCE: Biofizika, v. 10, no. 3, 1965, 531-533

TOPIC TAGS: algae, photosynthesis, cell resting potential, cell potential, *Nitella*

ABSTRACT: Experiments were conducted to determine the influence of light on the resting potential (RP) of *Nitella flexilis* algae and the resulting effect on photosynthesis. Algae cells were subjected to various light intensities after preliminary adaptation in the dark. Changes in the RP and the rate of photosynthesis of cells with light of different intensity were measured with "microelectrodes." The light source was a 20-w incandescent bulb with a set of neutral filters and a red filter. The RP of cells decreased with increasing light intensity, but only up to a certain level (3000 lux). A typical curve of change in RP value is shown in the figure, together with a curve of the photosynthesis rate. The polarographic data show that the rate of photosynthesis increases with increasing light intensity, but only up to a certain level (3000 lux). A typical curve of change in RP value is shown in the figure, together with a curve of the photosynthesis rate. The polarographic data show that the rate of photosynthesis increases with increasing light intensity, but only up to a certain level (3000 lux).

APPROVAL NR: AP5015653

luminary illumination and light intensity. The fact that the RP value changed during illumination of cells with red light (wavelength, 670 nm), which can be absorbed only by chlorophyll and analogous pigments, indicates the connection be-

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ENCLOSURE 01

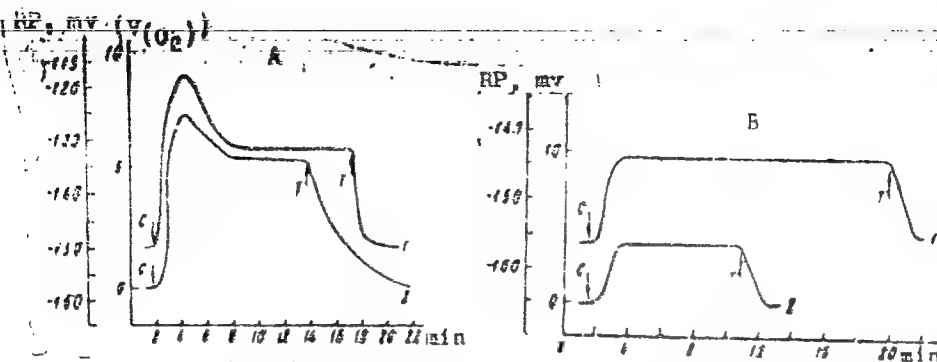


Fig. 1. Time curves of the change of the resting potential (RP) and the photosynthesis rate during illumination of cells with white light

Illumination: A - > 4000 lux, B - < 2000 lux; 1 - change of the RP value; 2 - change of the photosynthesis rate expressed by the rate oxygen (V_{O_2}) is given off in relative units; C - moment of switching on of light; T - moment of switching off of light.

1. *Am'likh, G. A. R.D., I.L.R., KHEIL, G. A., 1964.*

Effect of potassium salts on the cell membrane of Staphylococcus aureus. Biofizika 10 no. 3:552-554 '65.

(S. 10: 1965)

1. *Biokhimiya i fiziologiya fakul'tet Moskovskogo gosudarstvennogo universiteta. Seriya: Khimicheskaya. Izdanie 1964, 1965.*

VOROB'YEV. I.N.; KURELLA. G.A.

Participation of cell membrane in the selective ion accumulation
by the cells of *Nitella mucronata*. Biofizika 10 no.5:788-795
'65. (MIRA 18:10)

1. Biologo-pochvennyy fakul'tet Moskovskogo gosudarstvennogo
universiteta imeni M.V.Lomonosova.

ANTONOV, V.F.; KURELLA, G.A.; MENICHEN, I.P.; U D. N. N. N.

Effect of sodium, potassium and chlorine ions on the difference of potentials between the medium, cytoplasm and nucleus of cells of the salivary gland in *Drosophila* larvae. Dokl. AN SSSR 161 no.3:691-693. Moscow '65. (MIRA 18:2)

I. Moskovskiy gosudarstvennyy universitet. Submitted June 10, 1964.

ANDRIANOV, V.K.; KURELLA, G.A.; LITVIN, F.F.

Light effect on the change in potential of Nitella cells and
relation of this effect to photosynthesis. Biofizika 10
no.3:531-533 '65. (MIRA 18:11)

1. Biologo-pochvennyy fakul'tet Moskovskogo gosudarstvennogo
universiteta imeni Lomonosova. Submitted Aug 4, 1964.

ANTONOV, V.F.; KURELLA, G.A.; YAGLOVA, I.G.

Distribution of Na^{22} between cytoplasm and nucleus in the
giant neurons of *Tritonia diomedea* Bergh. Biofizika 10
no.6:1087-1088 '65. (MIRA 19:1)

1. Biologo-pochvennyy fakul'tet Moskovskogo gosudarstvennogo
universiteta imeni M.V.Lomonosova. Submitted March 20, 1966.

KURELLA, M.V.

Analysis of motor organs in infectious nonspecific polyarthritis and its significance in the selection of a method of exercise therapy.

Vop.kur., fizioter. i lech.fiz.kul't. no.4:48-56 Q-D :55.

(MIRA 12:12)

1. Iz otdela lechebnoy fizicheskoy kul'tury (zav. - prof. V.V. Gorinevskaya) Nauchno-issledovatel'skogo instituta fizioterpii Ministerstva zdravookhraneniya RSFSR (dir. - prof. A.N. Obrosov).

(ARTHRITIS, RHEUMATOID, therapy,

exercise ther., selection of method)

(EXERCISE THERAPY, in various diseases,

rheum. arthritis, selection of method)

KURELLA, M.V., nauchnyy sotrudnik

Methodical principles and trends in the use of physical culture therapy on children with poliomyelitis. *Pediatrics* no.3:31-36
Mr '57. (MIRA 10:10)

1. In Gosudarstvennogo nauchno-issledovatel'skogo instituta fizioterapii Ministerstva zdravookhraneniya RSFSR (dir. - prof. A.N. Orlovsky)

(PHYSICAL THERAPY) (POLIOMYELITIS)

KURELIA, T., red.

[Boundless horizons] Bezbrezhnye gorizonty. Moskva, Pravda,
1965. 62 p. (Biblioteka "Komsomol'skoi pravdy," no.8)
(MIRA 18:8)

KURKLYUK, B. A., MIN. ENG.

Mine Timbering

Supporting work with slag blocks in mines. Gor. zhur. No. 7, 1952.

Monthly List of Russian Accessions, Library of Congress, October 1952. UNCLASS.

1. KURELYUK, B. A.
2. USSR (600)
4. Mining Engineering
7. Continuous clearing work. Gor zhur No 12 1952.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

KURELYUK, B.A.; KHAREBIN, M.P.

Using detonite 10A in underground operations at the
Krasnogvardeysk Mine. Vzryv. delo no.55/12:121-125 '64.

(MIRA 17:10)

1. Krasnoural'skiy medeplavil'nyy kombinat.

KUREMBINA, A.I., meditsinskaya sestra (Moskva)

Duodenal exploration. Med.sestra 15 no.10:19-20 0 '56. (MIRA 9:12)
(MEDICAL INSTRUMENTS AND APPARATUS) (BILM)

KUREN', I.N., elektromonter (Sochi)

Redesigning of the starters of high-pressure mercury lamps.
Energetik 13 no.11:28 N '65. (MIPA 18:11)

Kurkendash, R.S.
KOMAROV, M.S., doktor tekhnicheskikh nauk, professor; KURKENDASH, R.S.,
kandidat tekhnicheskikh nauk, dotsent.

An electric-drive vibrating saw. Vest.mash. 35 no.10:69-70 0 '55.
(Saws) (MLRA 9:1)

PIASE I BOOK EXPLOITATION

1061

Kurendash, Rostislav Stefanovich

Konstruirovaniye pruzhin (Design of Springs) Kiyev, Mashgiz, 1958. 106 p.
11,000 copies printed. (Series: Biblioteka konstruktora)

Sponsoring Agency: Nauchno-tehnicheskoye obshchestvo mashinostroitel'noy promyshlennosti. Kiyevskaya oblastnaya organizatsiya

Reviewer: Radchik, A.S., Candidate of Technical Sciences, Docent; Ed.: Leuta, V.I., Engineer; Tech. Ed.: Rudenskiy, Ya.V. Chief Ed. (Ukrainian Division, Mashgiz): Serdyuk, V.K., Engineer.

PURPOSE: This book is intended for technicians and designers in the field of machine and instrument manufacture.

COVERAGE: The book deals with the classification, basic calculations and practical recommendations for design of helical, spiral, straight, curved and shaped springs for general use; current data on materials used for springs are also given. The name of Professor S.D. Ponomarev, Doctor of Technical Sciences, of the Moskovskoye vyssheye tekhnicheskoye uchilishche imeni N.Ye. Bauman (Moscow Higher Technical School imeni N.Ye. Bauman), is mentioned in connection with the development of

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Design of Springs 1061

spring design in the USSR. The author thanks Professor M.S. Komarov for his help in preparing the book. There are 9 references, of which 6 are Soviet, 1 English and 2 German.

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Design of Springs 1061

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AVAILABLE: Library of Congress

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IVANOV, Mikhail Nikolayevich, prof., doktor tekhn.nauk; KOMAROV, Mikhail Stepanovich, prof., doktor tekhn.nauk; DOBROVOL'SKIY, V.A., prof., retsenzent; KURENDASH, R.S., dotsent, kand.tekhn.nauk, otv.red.; KOTLYAROV, Yu.L., red.; MALYAVKO, A.V., tekhn.red.

[Machine parts and hoisting and conveying machinery] Detali mashin i pod'emno-transportnye mashiny. L'vov, Izd-vo L'vovskogo univ., 1961. 587 p. (MIRA 15:2)

1. Moskovskoye vyssheye tekhnicheskoye uchilishche im. Baumana (for Ivanov). 2. L'vovskiy politekhnicheskiy institut (for Komarov). 3. Odesskiy politekhnicheskiy institut (for Dobrovol'skiy).
(Hoisting machinery) (Conveying machinery)

KOMAROV, Mikhail Stepanovich; KURENDASH, R.S., kand. tekhn.nauk,
red. vypuska; FURER, P.YA., red.; GONDOSTAYPOL'SKAYA, M.S.,
tekhn. red.

[Loads of industrial machinery] Nagruzki proizvodstvennykh ma-
shin. Moskva, Mashgiz, 1962. 80 p. (MIRA 15:11)
(Machinery)

KOMAROV, Mikhail Stepanovich; KUBENDASH, R.S., red. vypuska;
FUKER, P.Ya., red.; GORNOSTAYPOL'SKAYA, M.S., tekhn. red.

[Designing machinery] Kak konstruiruiut mashiny. Moskva,
Mashgiz, 1963. 73 p. (MIRA 16:7)
(Machinery—Design and construction)

GLUSHCHENKO, I.P., kand. tekhn. nauk, dotsent; KURENDASH, R.S., kand. tekhn. nauk, dotsent; SOPIN, V.I., kand. tekhn. nauk

Book reviews and bibliography. Vest. mashinostr. 45 no.1:
85-88 Ja '65. (MIRA 18:3)

KURETSEV, N. N.

"Graphic aids in the study of chemistry in an institution of higher learning,"
Authors: G. P. DEVIDER'YEV, V. Ya. KURETSEV, N.I. PUSHKINA, and N.A. SHAPOSHNIKOVA,
Trudy Kazansk, Khim.-tekhnol. in-ta im. Kirova, issue 13, 1948, p. 118-25

SO: U-3264, 10 April 1953, (Letopis 'Zhurnal 'nykh Statey, No. 3, 1949).

KURENEV, S.I., dotsent, kandidat tekhnicheskikh nauk (Leningrad).

Calculating circuits in periodic breaking or impulse voltages. Elektrichestvo
no.12:59-62 D '53. (MLRA 6:11)

(Electric circuits)

KURENEV, S.I., doktor tekhnicheskikh nauk, dotsent (Leningrad)

Representation of the magnetic field of circular currents by spheroid
functions. Elektrichestvo no.6:9-10 Je '56. (MIRA 9:9)
(Magnetic fields)

KURENEV, S.I., doktor tekhnicheskikh nauk, dotsent; MEYKROVICH, B.A., doktor tekhnicheskikh nauk, professor; VORONOV, R.A., doktor tekhnicheskikh nauk, dotsent; PONOMAREVA, G.F., kandidat tekhnicheskikh nauk, dotsent; IONKIN, P.A., kandidat tekhnicheskikh nauk, dotsent.

Methods for calculating nonlinear circuits. Elektrichestvo no.8:91-92
Ag '56. (MLRA 9:10)

1.Kafedra Voenno-morskoj akademii imeni Krylova (for Kurenev). 2.Energeticheskiy institut imeni Krzhizhanevskogo AN SSSR (for Meyerovich).
3.Moskovskiy energeticheskiy institut imeni Molotova (for Ionkin).
(Electric circuits)

KURENEV, Sergey Ivanovich, doktor tekhn. nauk, dots.

Calculating the magnetic field, the static self-inductances, and the static mutual inductance of elliptic circuits. Izv. vys. ucheb. zav.; elektromekh. 1 no.3:30-34 '58. (MIRA 11:6)

1. Zaveduyuchshiy kafedroy teoreticheskikh osnov elektrotehniki Leningradskogo elektrotekhnicheskogo instituta imeni V.I. Ul'yanova (Lenina).

(Electric circuits) (Magnetic fields) (Inductance)

V
ALEKSEYEV, A.Ye.; ATABEKOV, G.I.; BRON, O.B.; GORODSKIY, D.A.; KOSTENKO,
M.P.; KUBENEV, S.I.; NEYMAN, L.P.; POLIVANOV, K.M.; REYNGOL'DT,
Yu.A.; ROMANOVSKIY, V.B.

Professor A.E. Kaplianski; on his 60th birthday. Elektrichestvo
no.6:92 Je '58. (MIRA 11:6)
(Kaplianski, Aleksandr Evseevich, 1898-)

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EO41/E455

6,4800

AUTHORS:

Kurenev, S.I., Doctor of Technical Sciences, Professor
and Volkov, M.G., Candidate of Technical Sciences

TITLE:

Screening of an External Uniform Static Field by That
of an Elliptical Cylinder

PERIODICAL:

Izvestiya vysshikh uchebnykh zavedeniy,
Elektromekhanika, 1960, No.8, pp.3-7

TEXT:

Previous treatments of the screening effect of enclosures have ignored the influence of shape. The magnetic case is dealt with here. Elliptical coordinates are used, related to cartesians as in Fig.1. The length of the cylinder is supposed long compared with its other dimensions. Laplace's equation is Eq.(2). The next general solutions are Eq.(3). For an external uniform field $\lambda = 1$ and the solution to Eq.(2) is Eq.(4). Two principal cases are then considered: magnetization along either x or y-axis. For the x-axis, the ferromagnetic layer splits the entire field into three regions and the separate solutions for scalar potential are given in Eq.(6). There are six constants of integration. Four of them are determined, Eq.(7), by the continuity of potential and normal component of the magnetic field.

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S/144/60/000/008/001/003
E041/E455

Screening of an External Uniform Static Field by That of an Elliptical Cylinder

induction vector in passing from one medium to another. The fifth condition is given, in the third region, by the fact that the potential is analytic at infinity. The sixth boundary condition is given by the fact that, in the first region, the potential tends to zero when the permeability of the magnetic shield tends to infinity. The screening coefficient, defined as the number by which the external field must be multiplied to give the internal field is K_{yx} in Eq.(9). The corresponding formula for y-axis magnetization is K_{zy} in Eq.(11). The difference formula of Eq.(12) shows the screening along the smaller axis to be less effective than that along the larger. Examination of the formulae for the coefficients shows that $0 \leq K_{yx} \leq 1$ while $0 \leq K_{zy} \leq 2$. The latter result rather surprisingly shows that for certain cylinders and values of permeability, the screen concentrates the field within it. The effect is indicated graphically in Fig.2. The field components within the enclosure, given by Eq.(14), are uniform. There are 2 figures and 1 Soviet reference.

Card 2/3

83325

S/144/60/000/008/001/003
E041/E455

Screening of an External Uniform Static Field by That of an
Elliptical Cylinder

ASSOCIATIONS: Leningradskiy elektrotekhnicheskii institut
(Leningrad Electrical Engineering Institute)
voynno-morskaya akademiya (Naval Academy)

SUBMITTED: May 25, 1960

Card 3/3

85105

9,3100 (1031, 1144, 1159)

S/105/60/000/009/008/009/XX
B012/B058

AUTHORS: Kurenov, S. I., Doctor of Technical Sciences, Professor,
and Pines, M. I., Candidate of Technical Sciences, Docent

TITLE: Determination of the Initial Conditions for Studying
Transients in the Case of a Change of the Circuit Structure

PERIODICAL: Elektrichestvo, 1960, No. 9, pp. 45-49

TEXT: In this paper, a general method is given for determining the independent initial amperages in induction coils and the capacitor voltages in the case of transients, that is, for transients developing at a change of circuit structures. It is pointed out that the solution of the problem can be used for the calculation of transients by means of electronic computers. The problem under discussion was studied in the years 1953-1954 at the kafedra Teoreticheskikh osnov elektrotekhniki Leningradskogo elektrotekhnicheskogo instituta im. Ulyanova (Lenina) (Chair of Theoretical Principles of Electrical Engineering at the Leningrad Electrical Institute imeni Ulyanov (Lenin)) under the direction of Professor A. V. Berendeyev. When investigating and calculating transients

Card 1/3

X

65105

Determination of the Initial Conditions for
Studying Transients in the Case of a Change
of the Circuit Structure

S/105/60/000/009/003/009/XX
B012/B058

at the disconnection or connection of individual lines, a mathematical consideration of the changing contact resistance is not possible. It is neither possible to determine the duration of opening or closing of the contact. In connection with these difficulties the transient to be divided into two stages is briefly explained. It is shown that the calculation can be simplified on the basis of the following considerations: 1) The commutation time can be assumed as being very small compared to the constant of the circuit and the a.c. cycle; 2) during commutation the sources feed practically no energy into the circuit; thus, only an internal re-distribution of the energy fields occurs; 3) the energy transformation takes place under observance of the theorem on the conservation of electricity and the theorem of electromagnetic induction. Formulas are derived, which determine the continuity of the changes in interlinkage: in every closed circuit of an electric circuit the algebraic sum of interlinkages of all individual circuit sectors in the first moment after commutation is equal to the algebraic sum of interlinkages of the sectors of this circuit in the last moment before commutation. The digit sign of interlinkage in each sector is determined by the direction of the

Card 2/3

85105

Determination of the Initial Conditions for
Studying Transients in the Case of a Change
of the Circuit Structure

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current in this sector. Next, formulas are derived, which determine the continuity of the charge variations in the first moment after commutation. the algebraic sum of capacitor charges in the lines leading to the circuit joint equals the algebraic sum of capacitor charges in the lines leading to this joint in the last moment before commutation. The digit sign of the charge is also determined by the direction of the current in this line. It is pointed out that the equations obtained for the interlinkages and charges do not contradict the commutation theorems but rather supplement them. In the case of a quick change of the circuit structure the equations given here make it possible to determine the initial amperages in coils and the initial capacitor voltages in the beginning of the second stage of the transient without having to investigate the first, short stage. The paper by M. A. Rozenblat (Ref. 1) is mentioned. There are 6 figures and 5 references: 3 Soviet, 1 US, and 1 Australian.

ASSOCIATION: Leningradskiy elektrotekhnicheskii institut im. Uliyanova
(Lenina) (Leningrad Electrotechnical Institute imeni Uliyanov
(Lenin))
SUBMITTED: February 3, 1960
Card 3/3

KURENEV, SERGEY IVANOVICH, doktor tekhn.nauk, prof.

Effect of the shielding envelope on the structure of the magnetic field. Izv. vys. ucheb. zav.; elektromekh. 4 no.5 :3-6 '61.

(MIRA 14:7)

1. Zaveduyushchiy kafedroy teoreticheskikh osnov elektrotekhniki Leningradskogo elektrotekhnicheskogo instituta.

(Magnetic fields)

(Shielding (Electricity))

KURENEV, Sergey Ivanovich, doktor tekhn. nauk, prof.; VOLKOV, Mikhail Grigor'yevich, kand. tekhn. nauk, nauchnyy sotrudnik

Shielding of an external field by a hollow flattened ellipsoid.
Izv. vys. ucheb. zav.; elektromekh. 6 no.9:1027-1031 '63.

(MIRA 16:12)

1. Zaveduyushchiy kafedroy teoreticheskikh osnov elektrotekhniki Leningradskogo elektrotekhnicheskogo instituta (for Kurenev).
2. Voenno-morskaya akademiya (for Volkov).

KURENEV, V.Ya.

Absorption of meter waves by some gases. Trudy KKHTI no.13:14-18
'48. (MIRA 12:12)

1. Kazanskiy khimiko-tekhnologicheskoy institut im. S.M. Kirova,
kafedra obshchey i neorganicheskoy khimii.
(Gases) (Spectrum, Molecular)

KURENEV, V.Ya.

Absorption of meter waves by some gases. Trudy EKHTI no.13:19-27
'48. (MIRA 12:12)

1.Kazanskiy khimiko-tekhnologicheskoy institut im. S.M. Kirova,
kafedra obshchey i neorganicheskoy khimii.
(Gases) (Spectrum, Molecular)

DEZIDER'YEV, G.P.; KURENEV, V.Ya.; PUSHKINA, N.N.; SHAPOSHNIKOVA, N.A.

Visual aids for studying chemistry in institutions of higher learning. Trudy KKHTI no.13:118-125 '48. (MIRA 12:12)

1. Kazanskiy khimiko-tehnologicheskoy institut im. S.M. Kirova, kafedra neorganicheskoy khimii.

(Chemistry--Study and teaching) (Audio-visual aids)

KURENEV, V. Ya.
CA

Paramagnetic resonance absorption in crystalline powders of some rare earth compounds. B. A. Altshuler, V. Ya. Kurenov, and B. G. Salikhov. *Doklady Akad. Nauk S.S.S.R.* 70, 201-4 (1950); cf. preceding abstr. — The energy, Q , absorbed as a function of a const. magnetic field H , 200-3000 oersteds, superposed perpendicularly on a weak magnetic field oscillating at $\nu_1 = 8.75 \times 10^4$ hertz, was detd. by the method of reaction on the generator. Curves with a max. were found with $\text{Pr}_2(\text{SO}_4)_3 \cdot 8\text{H}_2\text{O}$, $\text{Pr}(\text{NO}_3)_3 \cdot 6\text{H}_2\text{O}$, and anhyd. $\text{Pr}_2(\text{SO}_4)_3$. For the 1st 2 salts, the position of the max. is the same, $H = 1200$; dehydration shifts it to 700 oersteds. This confirms that the cubic symmetry of the cryst. elec. field in the hydrated sulfate and nitrate is due to H_2O mol., and that dehydration lowers the symmetry of that field. Likewise, the curves of $\text{Nd}_2(\text{SO}_4)_3 \cdot 8\text{H}_2\text{O}$ and $\text{Nd}(\text{NO}_3)_3 \cdot 6\text{H}_2\text{O}$ nearly coincide; however, the position of the common single max., 700 oersteds, cannot very well be taken to indicate cubic symmetry of the cryst. elec. field, as a calcn. of the

transition probabilities between sublevels of Nd^{+++} in a cubic field predicts a series of lines of almost equal intensities. The same difficulty obtains with $\text{Er}(\text{NO}_3)_3 \cdot 6\text{H}_2\text{O}$, max. at $H = 600$. $\text{Ce}(\text{CO}_3)_2 \cdot 8\text{H}_2\text{O}$ has a max. at $H = 700$, as against $H = 1650$ calcd. for the main max. for cubic symmetry; however, if a rhombic field is assumed to be superposed on the main cubic field, that line cannot appear except at very high H , and only the actually observed max. can be expected in the given range of H . The curve of Sm_2O_3 has a max. at $H = 1400$, the theoretical interpretation of which is not clear. At $\nu_1 = 2.38 \times 10^4$ hertz, the curves retain the same shape, only the maxima are shifted ν_1/ν_2 times to lower H . N. Thon, $\gamma\text{-Fe}_2\text{O}_3$ and high frequency. Friedrich Wagenknecht (Tech. Hochschule, Prag). *Naturwissenschaften* 36, 57 (1949). — Owing to its high elec. resistance (10^9 ohm cm.) and its semiconductor properties $\gamma\text{-Fe}_2\text{O}_3$, regular or spinel type, retains its ferromagnetism in a high-frequency a.c. field. From a limiting frequency (500 to 1000 kilohertz) on, the real permeability and the magnetic-loss angle begin to change. Frequencies up to 3331 kilohertz were used. The preps. of highest permeability were obtained from magnetites by the Haber and Kaufmann method (*Z. Elektrochem.* 7, 733 (1903)). Other means of prepn. gave lower permeability products.
B. J. C. van der Hoeven

(The paramagnetic resonance absorption in the sulfates of cerium(III) and neodymium(III). V. Ya. Kutyeyev and G. G. Sukhoy. (Phys. Tech. Inst., Kazan Branch Acad. Sci. U.S.S.R.). *Zhur. Eksp. i Teor. Fiz.* 21, 801-8 (1951). The paramagnetic resonance absorption has been detd. for the nonhydrated sulfates of Ce^{+++} and Nd^{+++} and for the sulfates contg. 8 mols. of water of hydration. The frequency of the magnetic field was 2.38×10^9 and 6.75×10^9 hertz. At room temp. all of the substances have a single max. except $Ce_2(SO_4)_3 \cdot 8H_2O$. At the b.p. of liquid O_2 , all of the substances exhibit 2 max. J. Roytar Leach)

B3

CH 11/11/1952 V 42.

General & Physical
Chemistry

Paramagnetic resonance absorption in metals. S. A. Al'tshuler, V. Ya. Kuznetsov, and S. G. Salikhov (Phys. Tech. Inst., Kazan Branch Acad. Sci. U.S.S.R.). *Doklady Akad. Nauk S.S.R.* 84, 677-9 (1952).—The effect was studied in metal powders, in some instances dild. with a diamagnetic powder, with a weak alternating magnetic field of a frequency of 2.38×10^6 hertz, and a perpendicular static magnetic field H of from 20 to 1000 oersteds. All samples were strictly tested for absence of ferromagnetic impurities. The effect, with one peak of the curve of the paramagnetic absorption coeff. χ'' as a function of H , was found in 8 transition metals; the exptl. data (static at. susceptibility $10^6\chi$, $H_m = H$ corresponding to max. absorption δ = right-hand half width = $H_2 - H_m$) are: Ti, 150, 70, 205; V, 280, 70, 270; Cr, 100, 30, 210; Mn, 525, 90, 245; Ni, 121, 100, 245; La, 140, 30, 140; Ce, 240, 67, 150; W, 10, 80, 150. The g -factors, calcd. by $gH_m = h\nu$, are ~ 2 , with a scattering of 30%, which is well beyond the uncertainty of the measurements. Evidently, the zone approach is insufficient, and spin-orbital interaction is essential. The effect was not observed in Na, Mg, Al, Cu, Zn, As, Se, Ag, Cd, Sn, Hg, and Bi, possibly because of insufficient sensitivity. N. Thon

KURENEVA, V. I. and USHAKOVA, L. I.

"Experiments With Professor Chernokhovostov's Method for Treating Children With Chronic Dysentery," Avtoreferaty Dokladov 19-y Nauchnoy Sessii Saratovskogo Gosudarstvennogo Meditsinskogo Instituta, Saratov, 1952, pp 235, 236.

BUDUNOVA, V.A. (Saratov); SHOLPO, G.P. (Saratov); KURENEVA, V.I. (Saratov);
MARKELOVA, Ye.F. (Saratov)

Treatment of chronic dysentery in specialized institutions for
infants. Vop.okh.mat. i det. 4 no.2:62-63 Mr-Ap '59.

(DYSENTERY) (CHILDREN--HOSPITALS) (MIRA 12:5)

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000927710009-6

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000927710009-6"

6

Fraction of alcohol oxides of acetylene series with hydro-

acetylene, *Proc. Acad. Sci. USSR, Div. Chem. Sci., 1957, 15, 1011.*

Chem. Abstr. 52:1011. To 100% (100% from 12 g. M₂)

added 1-ethynylcyclopentanol and after 1 hr. at 35-6

the mixt. treated with 15 g. KOH; decompn. with 50% AcOH and extr. with Et₂O gave 12 g. 1,4-bis-2-methyl-4-

(1-hydroxycyclopentyl)-3-buten-2-ol, b_p 174-80°, n_D²⁰ 1.5110,

d₄ 1.0990; longer reaction and use of a more dil. soln. gave

up to 30% yield. The product (30 g.) in Et₂O was treated

with 50% aq. KOH, yielding after treatment with H₂O

80% 2-methyl-4-(1-hydroxycyclopentyl)-1,2-epoxy-3-butene, b_p 101-2°, n_D²⁰ 1.4965, d₄ 1.0429. This (32 g.) with 20 g.

Ba(OH)₂ and 100 ml. H₂O was treated with H₂S for about

30 min., yielding after neutralization with AcOH and extr.

with Et₂O 91% 4-methyl-2-(1-hydroxycyclopentyl)thiophene, b_p 124-6°, m. 62-3°; this steam distl. from 5% H₂SO₄ gave

4-methyl-2-(1-cyclohexenyl)thiophene, b_p 105-6°, n_D²⁰ 1.5739,

d₄ 1.0559. Guggard reaction, described above, but one

employing 1-ethynylcyclopentanol, gave crude 1-ethoxy-2-

methyl-1-(1-hydroxycyclopentyl)-3-buten-2-ol, b_p 160° with

considerable decompn.; owing to this the crude product was

used for treatment with KOH which gave 35% 2-methyl-4-

(1-hydroxycyclopentyl)-1,2-epoxy-3-butyne, b_p 95-8°, n_D²⁰

1.4910, d₄ 1.0153, which with Ba(OH)₂ and H₂S as above

gave 51% 4-methyl-2-(1-hydroxycyclopentyl)thiophene, b_p

105-6°, n_D²⁰ 1.5434, d₄ 1.0101, which with 5% H₂SO₄ gave

73.1% 4-methyl-2-(1-cyclopentenyl)thiophene, b_p 76-7°, n_D²⁰

1.5765, d₄ 1.0550. The latter is less stable than the

six-membered analog and forms the H₂ deriv., decomp.

151°.

G. M. Kondapoff

*Kuren'gina, T. N.*82044
S/062/60/000/02/08/012
B003/B066

5.3200

AUTHORS:

Dolgoplosk, B. A., Yeruslimskiy, B. L., Kuren'gina, T. N.,
Tinyakova, Ye. I.

TITLE:

Reactions of Free Radicals in Solutions. 15th Report.
Destruction Mechanism of Polymers by Free Radicals

PERIODICAL:

Izvestiya Akademii nauk SSSR. Otdeleniye khimicheskikh nauk,
1960, No. 2, pp. 311 - 316

TEXT: The authors investigated the destruction of polyisobutylene dissolved in ethyl benzene under the action of disulfides, benzoyl peroxide, isopropyl benzene-hydroperoxide, triazenes, dimethyl-diphenyl-tetrazene, iron- and cobalt naphthenate. The destructive effect of the individual agents may be seen from the diagrams in Figs. 1, 2, and 3. The following conclusions may be drawn from the investigations and pertinent papers by other authors: The destructive effect is most intense in such free radicals as are especially active in the reaction of H-separation. The destruction takes place in such a manner that first a H-atom is separated from the polymer chain and, secondly, the C-C bonds of the polymer radical

Card 1/2

5200

S/190/62/004/006/006/026
B101/B110

5.28.20
AUTHORS: Pingakova, Ye. I., Dolgoplosk, B. A., Kuren'gina, T. N.
TITLE: Polymerization under the action of catalytic systems
containing cobalt or tungsten carbonyls and diethyl
aluminum halide
PERIODICAL: Vysokomolekulyarnyye soyedineniya, v. 4, no. 6, 1962,
828-834

TEXT: The authors investigated the catalytic effect of the precipitate
formed when $\text{Co}(\text{CO})_4$ or $\text{W}(\text{CO})_6$ dissolved in hydrocarbons are mixed with
 $\text{Al}(\text{C}_2\text{H}_5)_2\text{Cl}$. The following were polymerized with the cobalt complex
(ratio carbonyl : R_2AlCl = 1 : 5): isoprene (20°C , 2.5 hr, polymer yield
31%), butadiene (50°C , 1.5 hr, yield 25%; 2.5 hr, yield 40%), styrene
(20°C , 3 hr, 29.8%), α -methyl styrene (80°C , 42 hr, 47.2%), and α -butene
(50°C , 46 hr, 7%). The investigation of the structure of butadiene
polymerized with the cobalt or tungsten complexes gave the following
results irrespectively of the temperature (40 - 50°C) and of the ratio
Card 1/2

Polymerization under the ...

S/190/62/CO4/006/006/026
B101/B110

carbonyl : R_2AlCl (1 : 2.5 to 1 : 16): 65-67% cis-1,4 bonds, 5-8% trans-1,4 bonds, and 5-7% 1,2 bonds. Isoprene polymerized with the cobalt complex (20-50°C) contained 61-62% cis-1,4 bonds, 22-23% trans-1,4 bonds, and 14-16% 3,4 bonds. An analysis of the precipitate formed from $Co(CO)_4$ and $Al(C_2H_5)_2Cl$ showed: ratio Co : Al between 1 : 1.25 and 1 : 3; ratio Al : Cl ~ 1 : 1; ratio CO : Co ~ 1; ratio C_2H_5 : Al ~ 1 : 1. Since no gases are released during the formation of the precipitate, a reaction of CO with $Al(C_2H_5)_2Cl$ is assumed, similar to that occurring with organolithium and organomagnesium compounds. The absorption of CO by $Al(C_2H_5)_2Cl$ and the formation of sec-amyl alcohol were proved experimentally. The

formula: $CoCo \cdot AlR_2Cl \cdot R_2C \begin{cases} OAl(R)Cl \\ Al(R)Cl \end{cases}$ is suggested for the catalytic complex.

There are 1 figure and 3 tables.

ASSOCIATION: Institut vysokomolekulyarnykh soyedineniy AN SSSR (Institute of High-molecular Compounds AS USSR)
SUBMITTED: April 1, 1961
Card 2/2

TINYAKOVA, Ye.I.; ZHURAVLEVA, T.G.; KUREN'GINA, T.N.; KIRIKOVA, N.S.;
DOLGOPLOSK, B.A.

Cation activity of components of complex catalysts. Dokl. AN SSSR
144 no.3:592-595 My '62. (MIRA 15:5)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR. 2. Chlen-
korrespondent AN SSSR (for Dolgoplosk).
(Catalysts) (Polymerization) (Cations)

ACC NR: AP7000336

SOURCE CODE: UR/0413/66/000/022/0094/0094

INVENTOR: Gorin, Yu. A.; Charakaya, K. N.; Rodina, E. I.; Kropachev, V. A.;
Alferova, L. V.; Kuren'gina, T. N.

ORG: none

TITLE: Preparative method for elastic tetrahydrofuran copolymers. Class 39,
No. 188670 [announced by the All-Union Scientific Research Institute of Synthetic
Rubber im. Akademician S. V. Lebedev (Vsesoyuznyy nauchno-issledovatel'skiy institut
sinteticheskogo kauchuka); Institute of Macromolecular Compounds AN SSSR (Institut
vysokomolekulyarnykh soyedineniy AN SSSR)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 22, 1966, 94

TOPIC TAGS: elastic copolymer, bulk copolymerization, tetrahydrofuran copolymer, ...
readily curable copolymer, copolymer, copolymerization

ABSTRACT: An Author Certificate has been issued for a method of preparing elastic
copolymers of tetrahydrofuran with oxacyclobutane or organic oxides by bulk co-
polymerization in the presence of diethyl zinc hydrolyzates or of a system, con-
sisting of aluminumalkyl hydrolyzates and oxacyclobutane derivatives. To produce
vulcanization, the method provides for the copolymerization of the above-
mentioned monomers in the presence of unsaturated epoxy compounds (e.g., alkyl-1-pro-
panol or butadiene epoxide) as the third monomer. 5107

SUB CODE: 11, 07/ SUBM DATE: 03Jul65/ ATD PRESS

Card

UDC: 678.83:66. .062.785

SNCHERBINA, V.V., redaktor, doktor geologo-mineralogicheskikh nauk; KURENKINA,
I. Ye. [translator]

[Rare elements in igneous rocks and minerals; collected articles] Redkie
elementy v izvershennykh gornykh porodakh i mineralakh; sbornik statei.
Perevod s angliiskogo i nemetskogo I.E.Kurenkinoi [i dr.] Moskva, Izd-vo
inostrannoi lit-ry, 1952. 399 p. (MLRA 6:5)
(Rocks, Igneous) (Mineralogy) (Earths, Rare)

BOLDYREV, G.P.; VOGMAN, D.A.; NOVOKHATSKIY, I.P.; VERK, D.L.; DYUGAYEV, I.V.; KAVUN, V.M.; KURENKO, A.A.; UZBEKOV, M.R.; ARSEN'YEV, S.Yu.; YEGORKIN, A.N.; KORSAKOV, P.F.; KUZ'MIN, V.N.; STRELETS, B.A.; PATKOVSKIY, A.B.; BOLESLAVSKAYA, B.M.; INDENBOM, D.B.; FINKEL'SHTEYN, A.S.; SHAPIRO, I.S.; LAPIN, L.Yu.. Primarni uchastkiye: NEVSKAYA, G.I.; FEDOSEYEV, V.A.; KASPILOVSKIY, Ya.B., ZERNOVA, K.V.. BARDIN, I.P., akademik, otv.red.; SATPAYEV, K.I., akademik, nauchnyy red.; STRUMILIN, akademik, nauchnyy red.; ANTIPOV, M.I., nauchnyy red.; BELYANCHIKOV, K.P., nauchnyy red.; YEROFYEV, B.N., nauchnyy red.; KALGANOV, M.I., nauchnyy red.; SAMARIN, A.M., nauchnyy red.; SLEDZYUK, P.Ye., nauchnyy red.; KHLEBNIKOV, V.B., nauchnyy red.; STREYS, N.A., nauchnyy red.; BANKVITSER, A.L., red.izd-va; POLYAKOVA, T.V., tekhn.red.

[Iron ore deposits in central Kazakhstan and ways for their utilization] Zhelezorudnye mestorozhdeniya Tsentral'nogo Kazakhstana i puti ikh ispol'zovaniia. Otvetstvennyi red. I.P.Bardin. Moskva, 1960. 556 p.

(MIRA 13:4)

1. Akademiya nauk SSSR. Mezhdunarodstvennaya postoyannaya komissiya po zhelezu. 2. Gosudarstvennyy institut po proyektirovaniyu gornyykh predpriyatiy zhelezorudnoy i margantsevoy promyshlennosti i promyshlennosti nemetallicheskiykh iskopayemykh (Giproruda) (for Boldyrev, Vogman, Arsen'yev, Yegorkin, Korsakov, Kuz'min, Strelets.

(Continued on next card)

BOLDYREV, G.P.--(continued). Card 2.

3. Institut geologicheskikh nauk AN Kazakhskoy SSR (for Novokhatskiy).
 4. Tsentral'no-Kazakhstanskoye geologicheskoye upravleniye Ministerstva geologii i okhrany nedr SSSR (for Verk, Dyugayev, Kavun, Kurenko, Uzbekov).
 5. Nauchno-issledovatel'skiy institut mekhanicheskoy obrabotki poleznykh iskopayemykh (Mikhanobr) (for Patkovskiy).
 6. Gosudarstvennyy institut proyektirovaniya metallurg.zavodov (Gipromes) (for Boloslavskaya, Indenbom, Finkel'shteyn, Nevskaya, Fedonoyev, Karpilovskiy).
 7. Mezhdunarodnaya postoyannaya komissiya po zhelezu AN SSSR (for Shapiro, Zernova, Kalganov).
 8. Gosplan SSSR (for Lapin).
- (Kazakhstan--Iron ores)

KURENKOV, A., inzhener.

Vinyl plastic lining for chromium plating tanks. Grazhd.av.13 no.6:
20-21 Jo '56. (Vinyl polymers)
(MIRA 9:9)

KURENKOV, A. F.

Kurenkov, A. F. - "Building with prestressed reinforced concrete, processed for bending",
Sbornik trudov Studench. nauch.-telhn. o-va (Mosk. inzh.-stroit. in-t im. Kuybysheva),
Moscow, 1949, p. 63-83.

SO: U-411, 17 July 53, (Letopis 'nykh Statey, No. 20, 1949).

KURENKOV, A. F.

"Experimental Investigation of the Effect of the Temperature Factor on the Work of the Shaft of Reinforced Concrete Smoke Stacks." Sub 20 Nov 51, Moscow Order of the Labor Red Banner Construction Engineering Institute V. V. Kuybyshev.

Dissertations presented for science and engineering degrees in Moscow during 1951.

SO: Sum. No. 480, 9 May 55

SOV/124-58-8-9279

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 8, p 132 (USSR)

AUTHOR: Kurenkov, A.F.

TITLE: The Effect Exerted by the Vertically Nonuniform Heating of a Section on the Development of Cracks in a Reinforced-concrete Element (Vliyaniye neravnomernogo po vysote secheniya nagreva na treshchinoobrazovaniye v zhelezobetonnom elemente)

PERIODICAL: Nauchn. zap. Poltavsk. in-t inzh. s.-kh. str-va, 1956, Nr 3, pp 186-193

ABSTRACT: The author investigates the cause of the development of cracks in rigidly restrained rectangular reinforced-concrete beams when they are subjected to uneven heating on an unreinforced face. A measurement is made of the bending moment needed to remove the compression strains on the fibers on that face of the beam not subjected to direct heating. From the magnitude of said bending moment it is possible to determine the compressive stresses that will act upon the fibers of a beam restrained from undergoing deformation when the beam is subjected to heating. Comparing these stresses with those arrived at theoretically for the case of unreinforced beams (in

Card 1 2

SOV/124-58-8-9279

The Effect Exerted by the Vertically Nonuniform Heating (cont.)

accordance with the plane-section hypothesis), the author concludes that the results obtained in either case are virtually of the same order of magnitude. On the basis of this he deems it possible to determine the magnitude of those temperature differences at which the tensile stresses present near the axis of the heated elements reach the tensile-strength limit of the concrete, and he believes himself entitled to assert that the development of cracks is associated with the initial rise in temperature. The roundabout manner in which the experimental results are used tends to render the paper unconvincing.

V.A. Gastev

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<p>20a-56. Gage for Measuring Milling Cutter Angles. B. A. Kurenkov, <i>Engineers' Digest</i> (American Edition), v. 4, Dec. 1947, p. 588-589. Translated and abstracted from <i>Stanki i Instrument</i>, 1947, p. 18.</p>																																																			
<p>ASB-56A METALLURGICAL LITERATURE CLASSIFICATION</p>																																																			
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